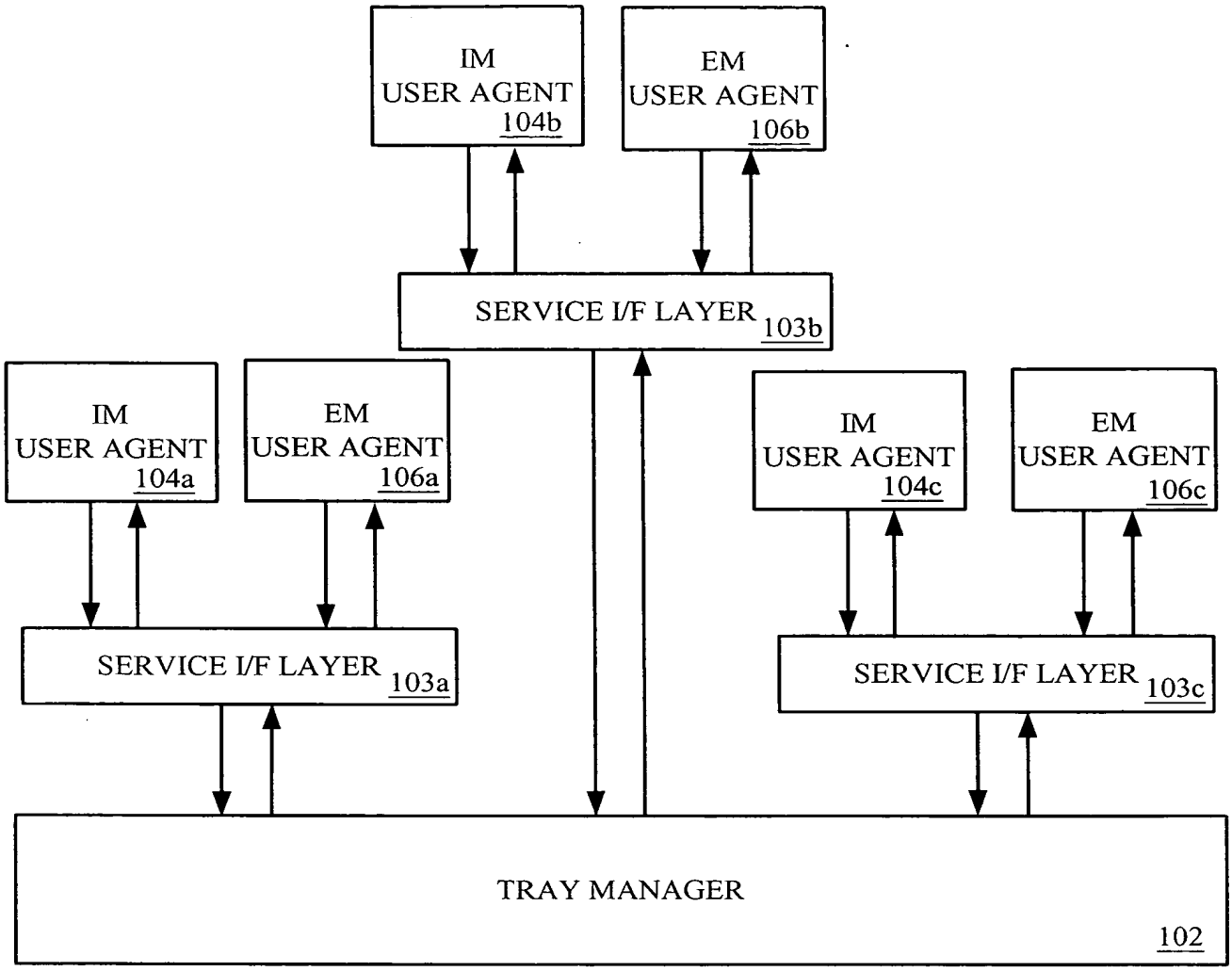
IM
USER AGENT
104b
EM
USER AGENT
106b
SERVICE I/F LAYER 103b
IM
USER AGENT
104a
EM
USER AGENT
106a
IM
USER AGENT
104c
EM
USER AGENT
106c
SERVICE I/F LAYER 103a
SERVICE I/F LAYER 103c
TRAY MANAGER
102

FIG. 1

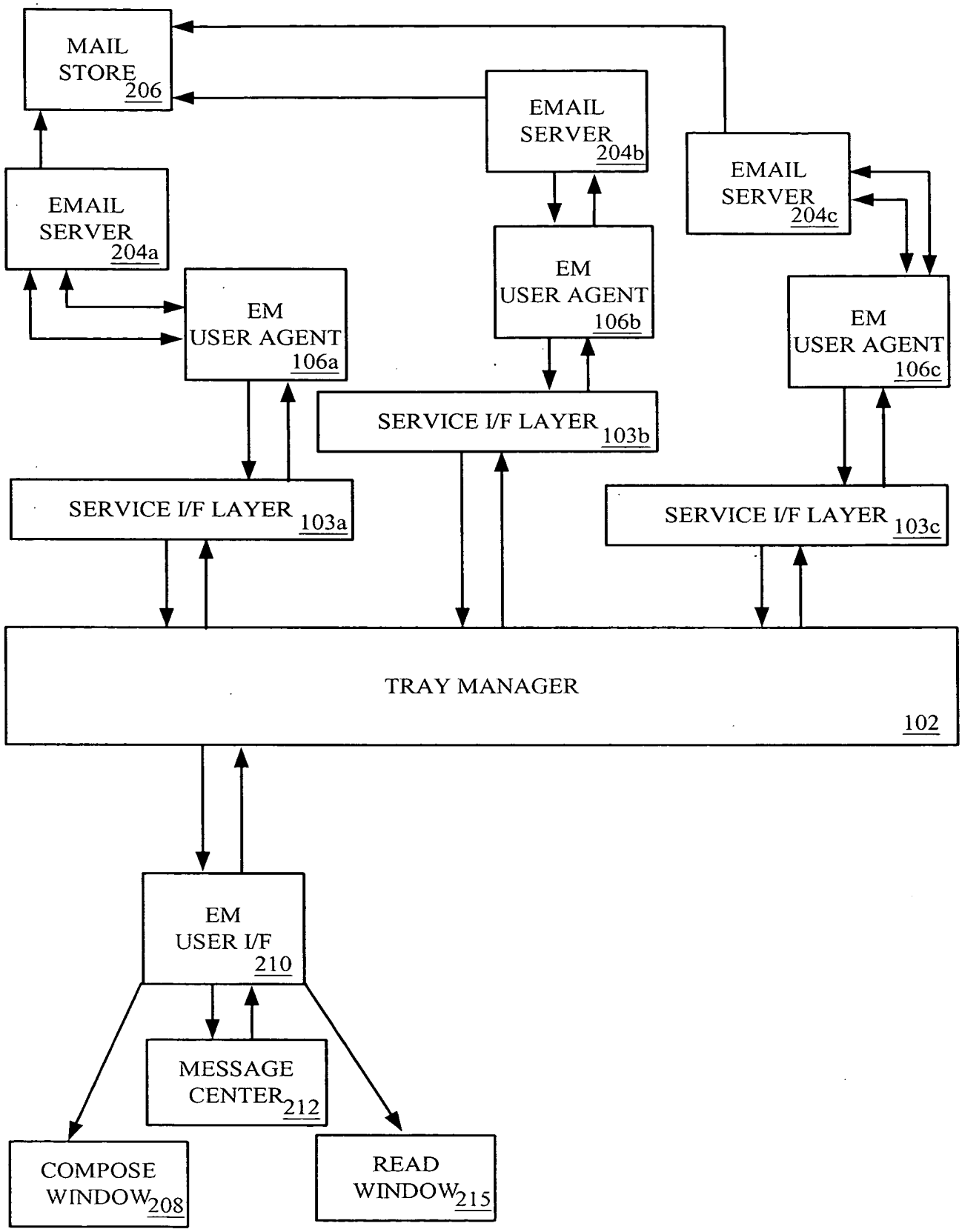
MAIL STORE 206
EMAIL SERVER 204b
EMAIL SERVER 204c
EMAIL SERVER 204a
EM USER AGENT 106b
EM USER AGENT 106a
EM USER AGENT 106c
SERVICE I/F LAYER 103b
SERVICE I/F LAYER 103a
SERVICE I/F LAYER 103c
TRAY MANAGER 102
EM USER I/F 210
MESSAGE CENTER 212
COMPOSE WINDOW 208
READ WINDOW 215

FIG. 2

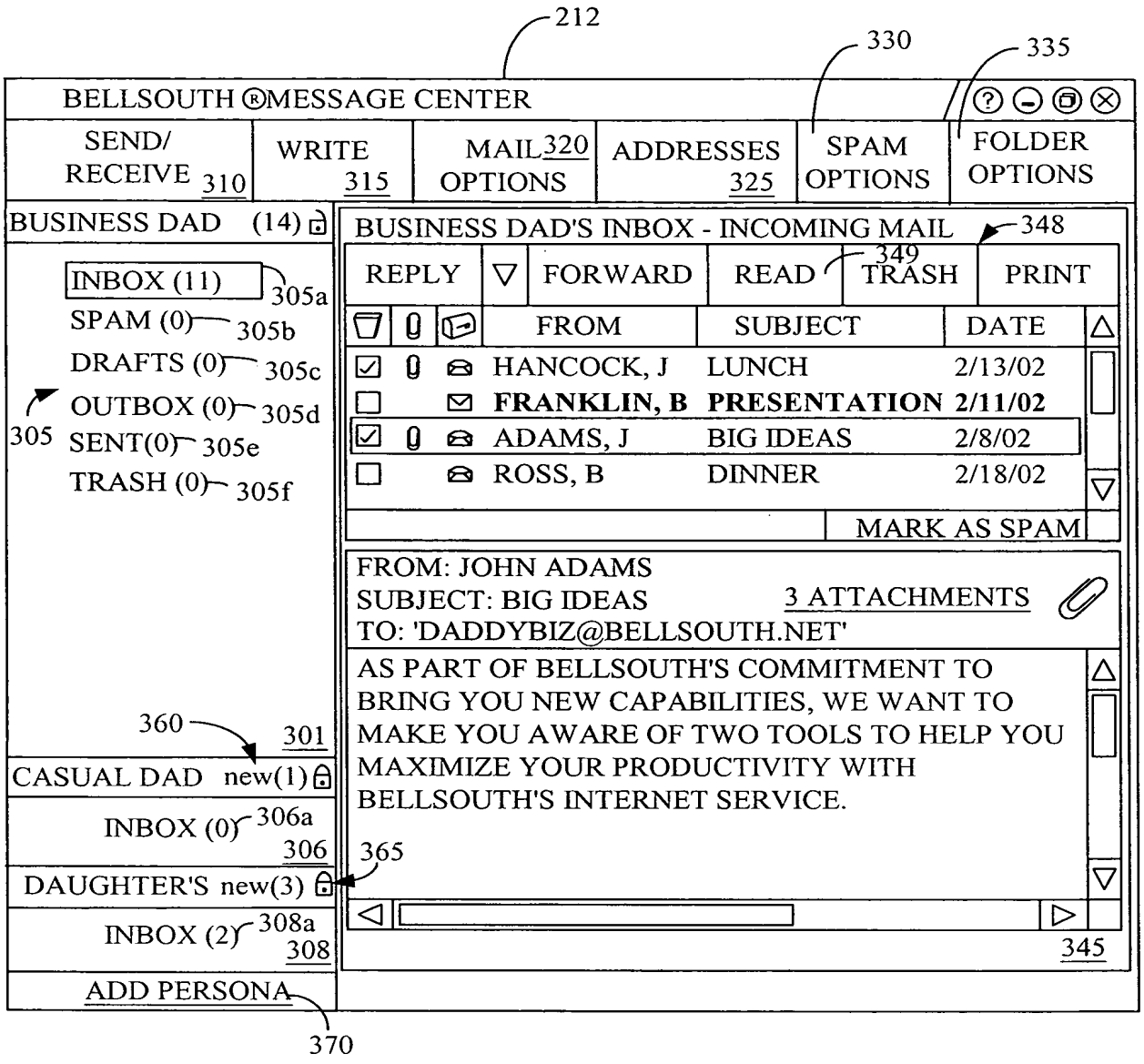
212
330
335
BELLSOUTH ®MESSAGE CENTER
SEND/ RECEIVE 310
WRITE 315
MAIL OPTIONS 320
ADDRESSES 325
SPAM OPTIONS
FOLDER OPTIONS
BUSINESS DAD (14)
INBOX (11) 305a
SPAM (0) 305b
DRAFTS (0) 305c
OUTBOX (0) 305d
305
SENT(0) 305e
TRASH (0) 305f
360
301
CASUAL DAD new(1)
INBOX (0) 306a
306
DAUGHTER'S new(3)
INBOX (2) 308a
308
ADD PERSONA
370
BUSINESS DAD'S INBOX - INCOMING MAIL
348
REPLY
FORWARD
READ
349
TRASH
PRINT
FROM
SUBJECT
DATE
HANCOCK, J LUNCH 2/13/02
FRANKLIN, B PRESENTATION 2/11/02
ADAMS, J BIG IDEAS 2/8/02
ROSS, B DINNER 2/18/02
MARK AS SPAM
FROM: JOHN ADAMS
SUBJECT: BIG IDEAS
3 ATTACHMENTS
TO: 'DADDYBIZ@BELLSOUTH.NET'
AS PART OF BELLSOUTH'S COMMITMENT TO BRING YOU NEW CAPABILITIES, WE WANT TO MAKE YOU AWARE OF TWO TOOLS TO HELP YOU MAXIMIZE YOUR PRODUCTIVITY WITH BELLSOUTH'S INTERNET SERVICE.
365
345

FIG. 3

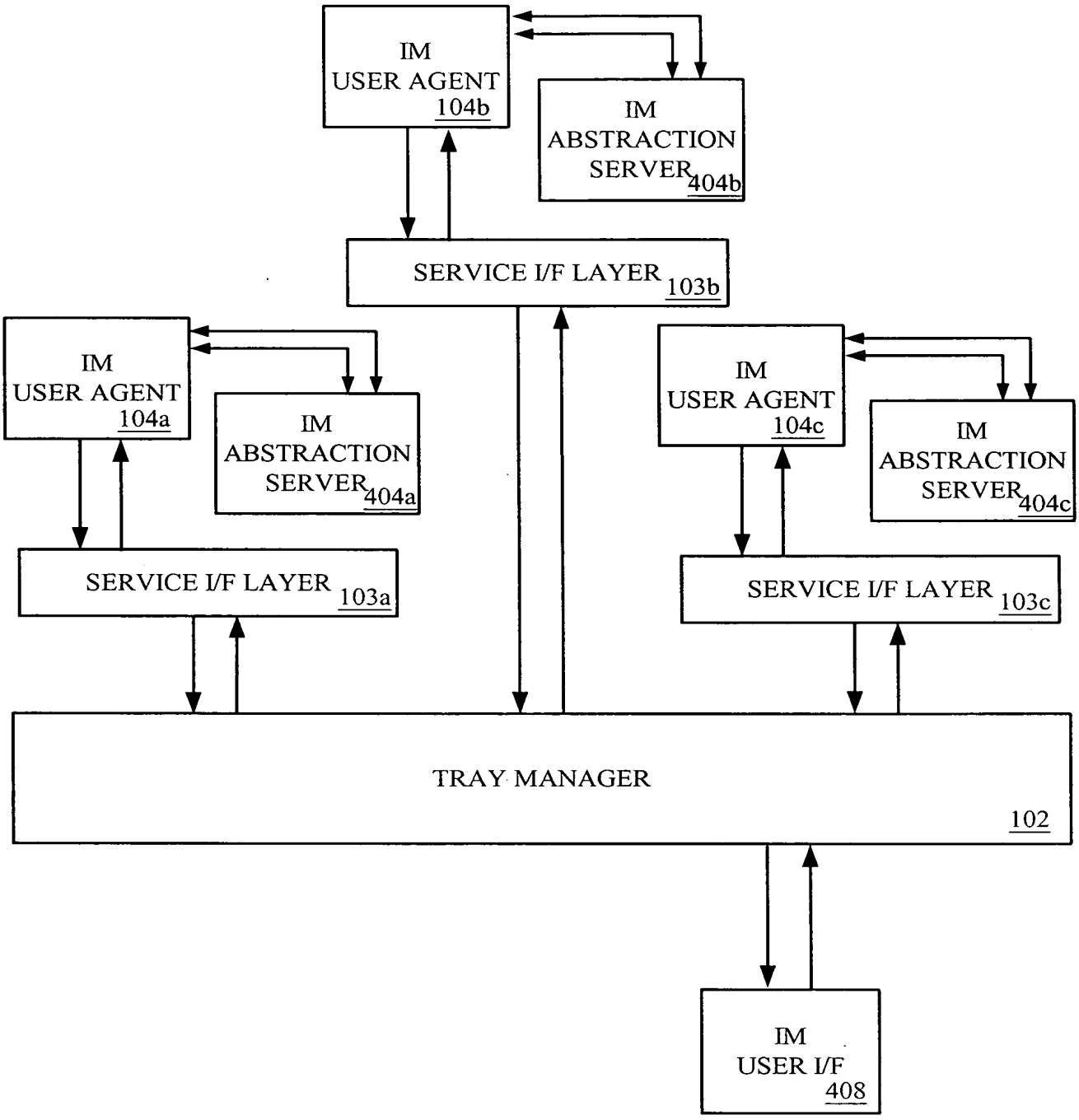
IM
USER AGENT
104b
IM
ABSTRACTION
SERVER
404b
SERVICE I/F LAYER
103b
IM
USER AGENT
104a
IM
ABSTRACTION
SERVER
404a
IM
USER AGENT
104c
IM
ABSTRACTION
SERVER
404c
SERVICE I/F LAYER
103a
SERVICE I/F LAYER
103c
TRAY MANAGER
102
IM
USER I/F
408

FIG. 4

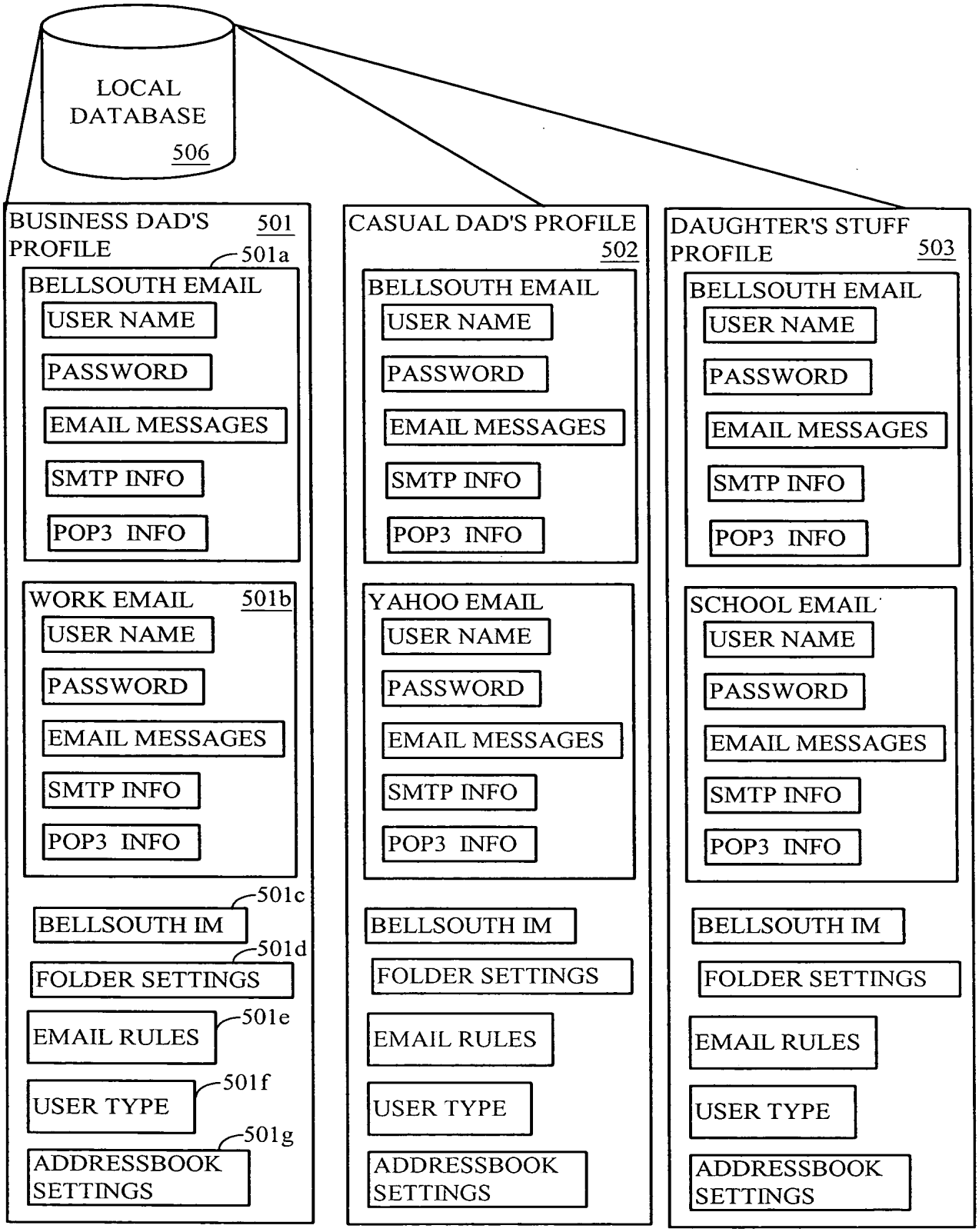
LOCAL DATABASE
506
BUSINESS DAD'S PROFILE
501
501a
BELLSOUTH EMAIL
USER NAME
PASSWORD
EMAIL MESSAGES
SMTP INFO
POP3 INFO
WORK EMAIL
501b
USER NAME
PASSWORD
EMAIL MESSAGES
SMTP INFO
POP3 INFO
501c
BELLSOUTH IM
501d
FOLDER SETTINGS
501e
EMAIL RULES
501f
USER TYPE
501g
ADDRESSBOOK SETTINGS
CASUAL DAD'S PROFILE
502
BELLSOUTH EMAIL
USER NAME
PASSWORD
EMAIL MESSAGES
SMTP INFO
POP3 INFO
YAHOO EMAIL
USER NAME
PASSWORD
EMAIL MESSAGES
SMTP INFO
POP3 INFO
BELLSOUTH IM
FOLDER SETTINGS
EMAIL RULES
USER TYPE
ADDRESSBOOK SETTINGS
DAUGHTER'S STUFF PROFILE
503
BELLSOUTH EMAIL
USER NAME
PASSWORD
EMAIL MESSAGES
SMTP INFO
POP3 INFO
SCHOOL EMAIL
USER NAME
PASSWORD
EMAIL MESSAGES
SMTP INFO
POP3 INFO
BELLSOUTH IM
FOLDER SETTINGS
EMAIL RULES
USER TYPE
ADDRESSBOOK SETTINGS

FIG. 5

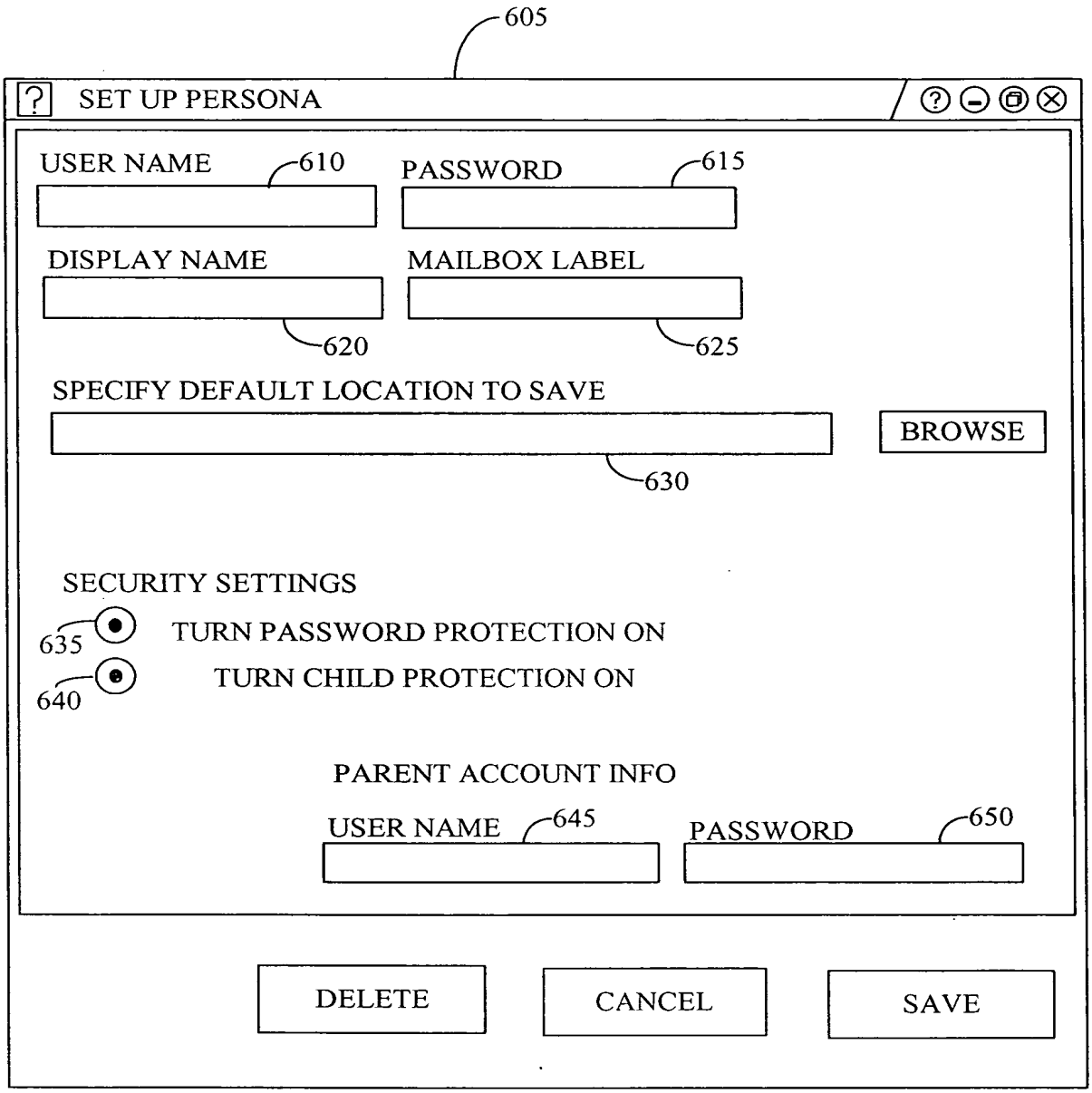
605
SET UP PERSONA
USER NAME
610
PASSWORD
615
DISPLAY NAME
MAILBOX LABEL
620
625
SPECIFY DEFAULT LOCATION TO SAVE
BROWSE
630
SECURITY SETTINGS
635
TURN PASSWORD PROTECTION ON
640
TURN CHILD PROTECTION ON
PARENT ACCOUNT INFO
USER NAME
645
PASSWORD
650
DELETE
CANCEL
SAVE

FIG. 6

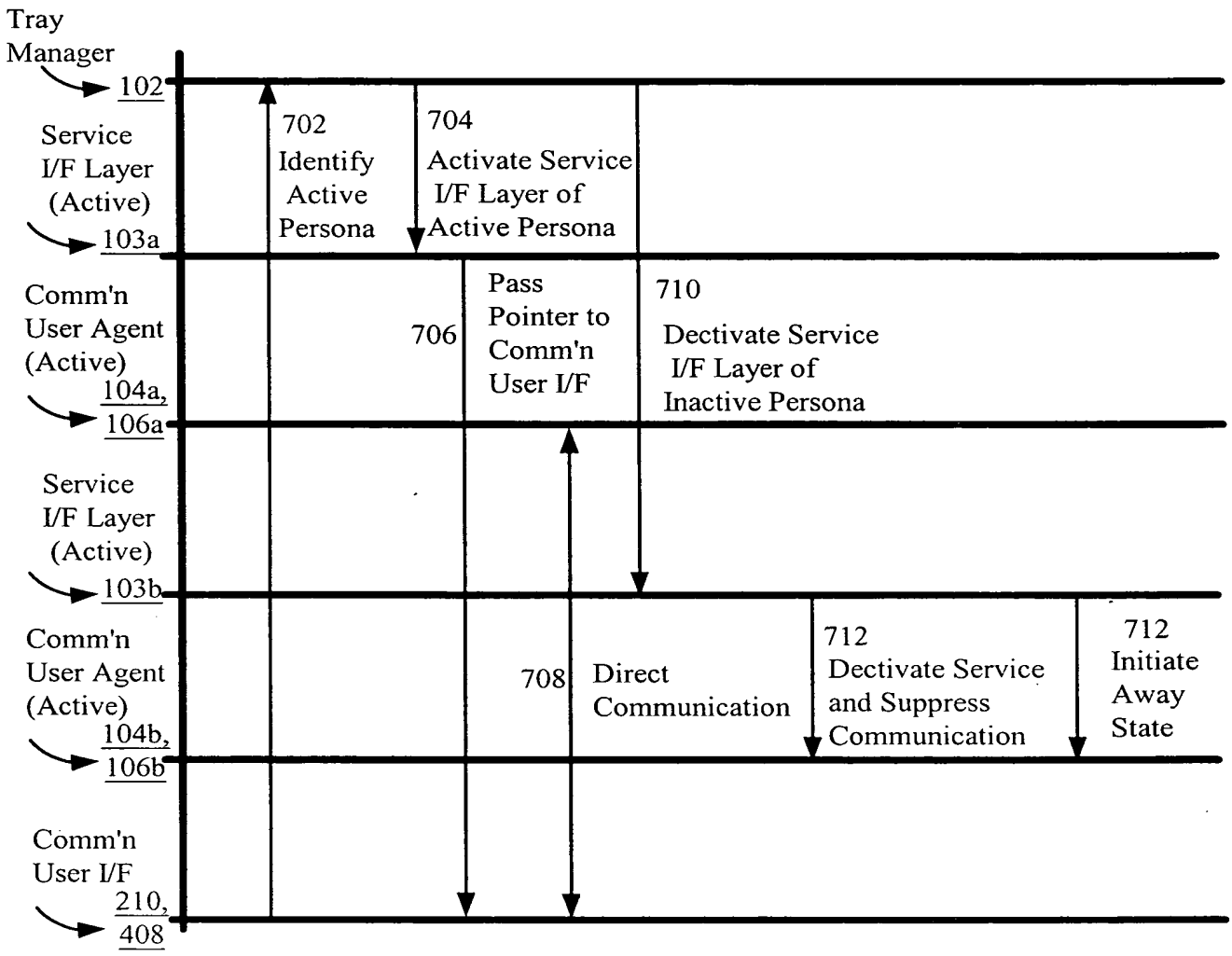
Tray Manager 102
Service I/F Layer (Active) 103a
Comm'n User Agent (Active) 104a, 106a
Service I/F Layer (Active) 103b
Comm'n User Agent (Active) 104b, 106b
Comm'n User I/F 210, 408
702 Identify Active Persona
704 Activate Service I/F Layer of Active Persona
706
Pass Pointer to Comm'n User I/F
710 Dectivate Service I/F Layer of Inactive Persona
708
Direct Communication
712 Dectivate Service and Suppress Communication
712 Initiate Away State

FIG.7

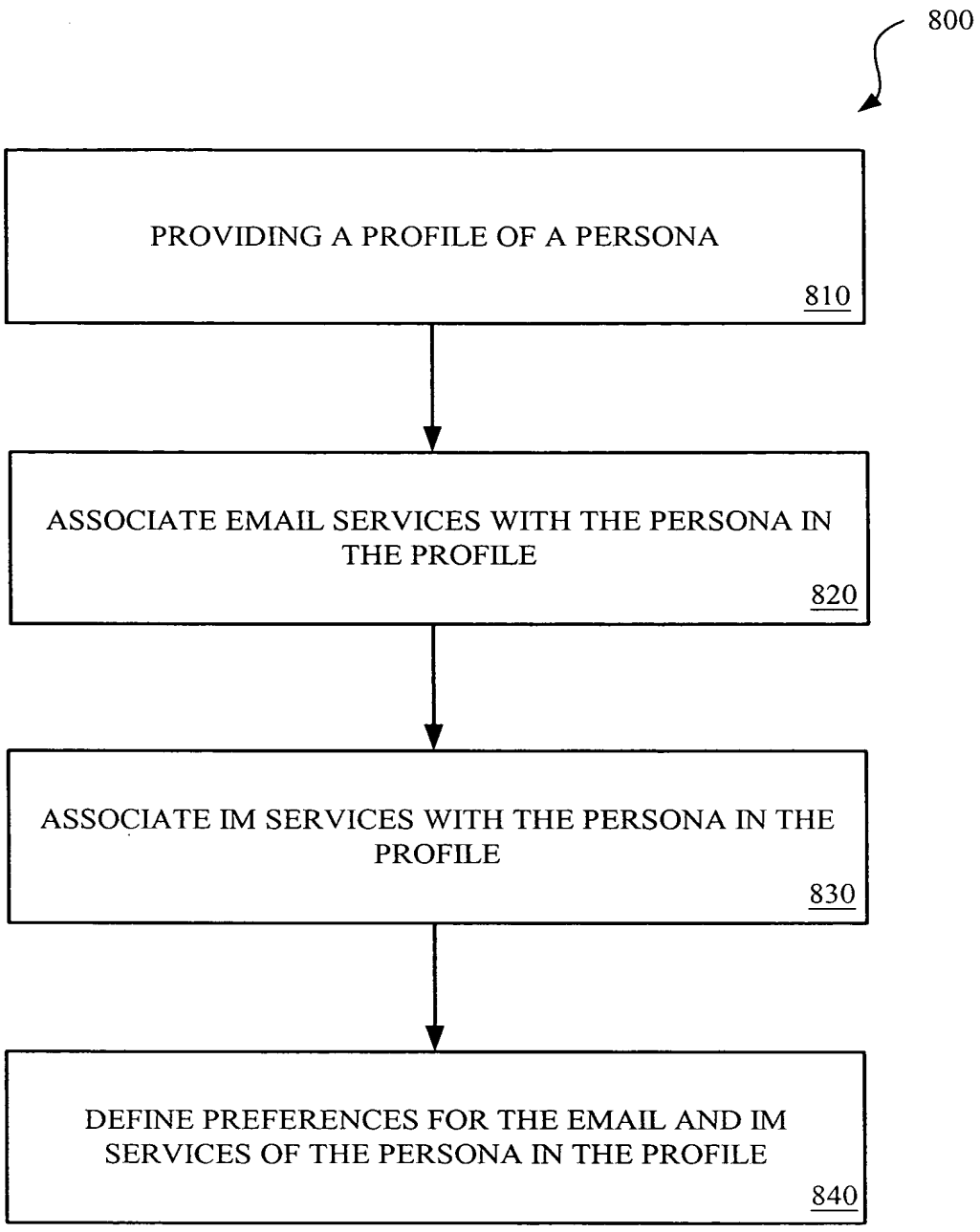
800
PROVIDING A PROFILE OF A PERSONA
810
ASSOCIATE EMAIL SERVICES WITH THE PERSONA IN THE PROFILE
820
ASSOCIATE IM SERVICES WITH THE PERSONA IN THE PROFILE
830
DEFINE PREFERENCES FOR THE EMAIL AND IM SERVICES OF THE PERSONA IN THE PROFILE
840

FIG. 8

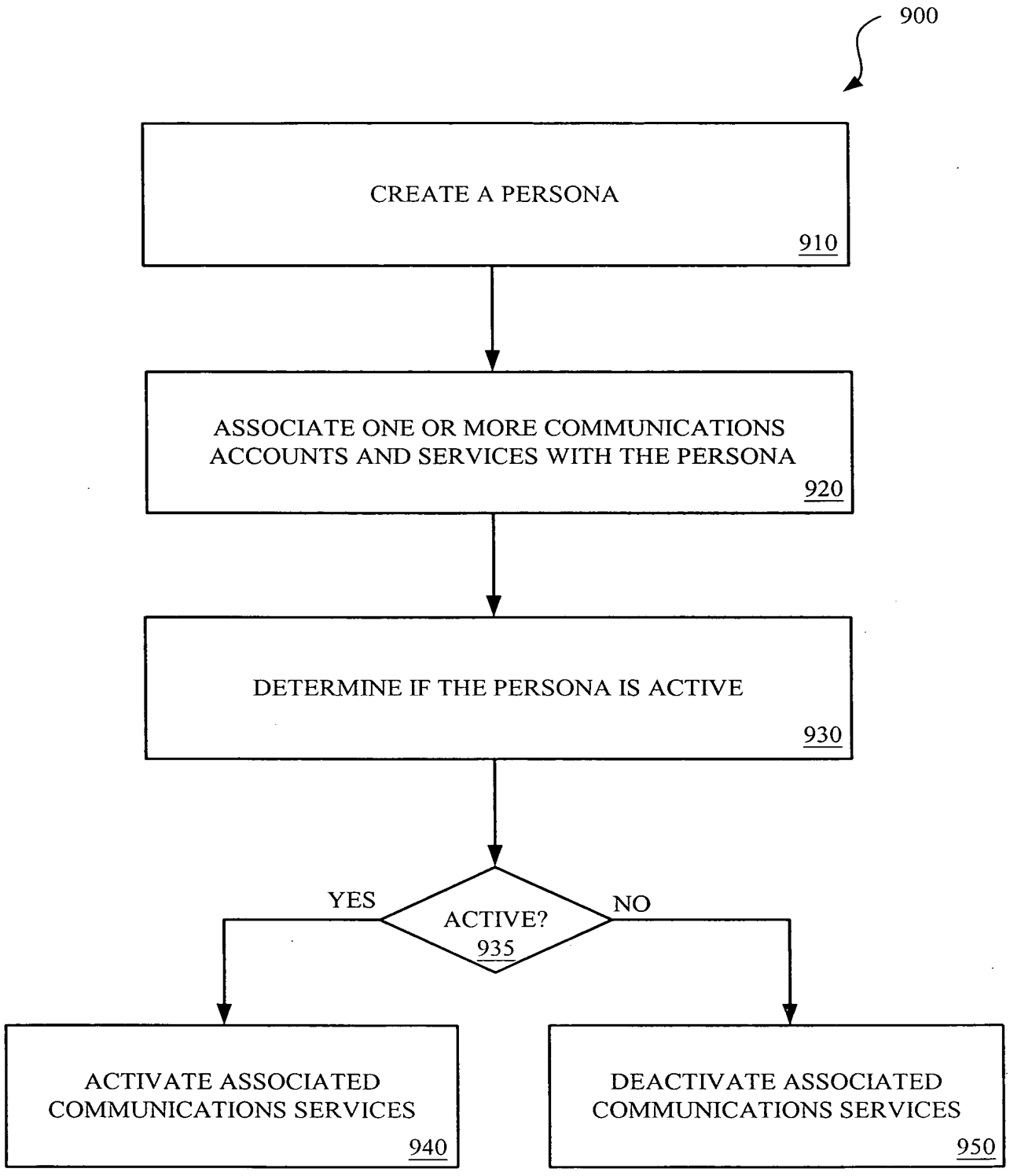
900
CREATE A PERSONA
910
ASSOCIATE ONE OR MORE COMMUNICATIONS ACCOUNTS AND SERVICES WITH THE PERSONA
920
DETERMINE IF THE PERSONA IS ACTIVE
930
YES
ACTIVE?
935
NO
ACTIVATE ASSOCIATED COMMUNICATIONS SERVICES
940
DEACTIVATE ASSOCIATED COMMUNICATIONS SERVICES
950

FIG. 9

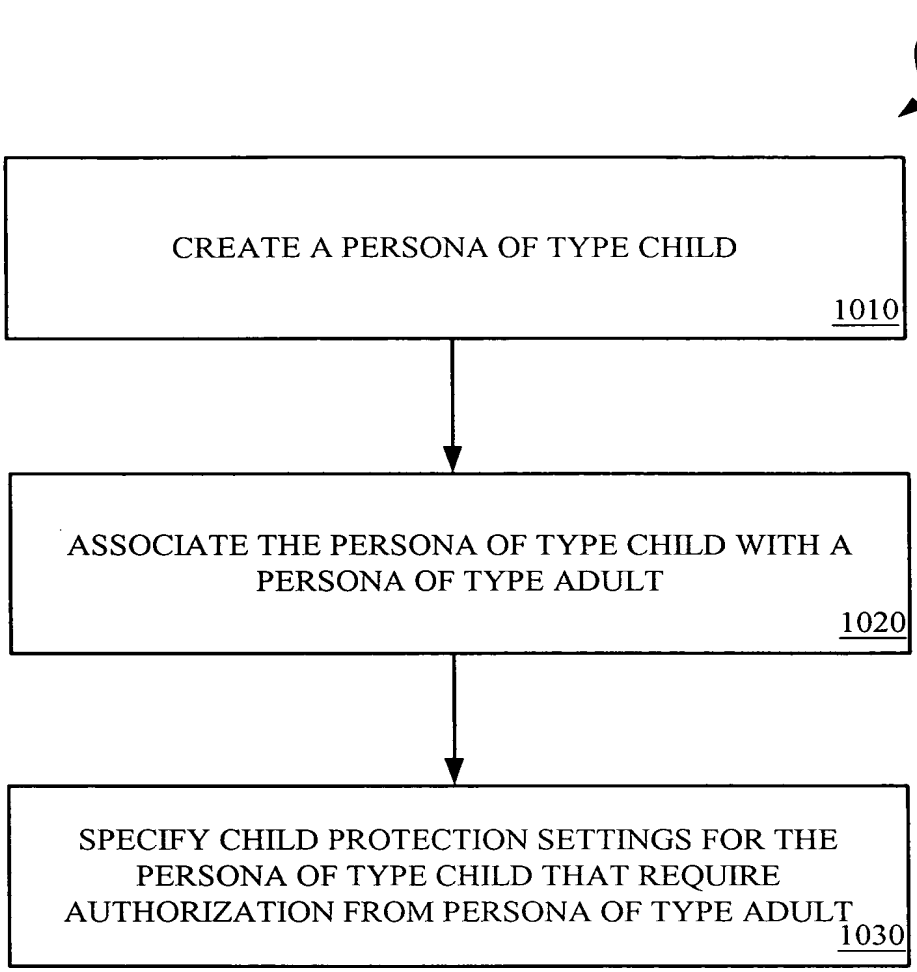
1000
CREATE A PERSONA OF TYPE CHILD
1010
ASSOCIATE THE PERSONA OF TYPE CHILD WITH A PERSONA OF TYPE ADULT
1020
SPECIFY CHILD PROTECTION SETTINGS FOR THE PERSONA OF TYPE CHILD THAT REQUIRE AUTHORIZATION FROM PERSONA OF TYPE ADULT
1030

FIG. 10

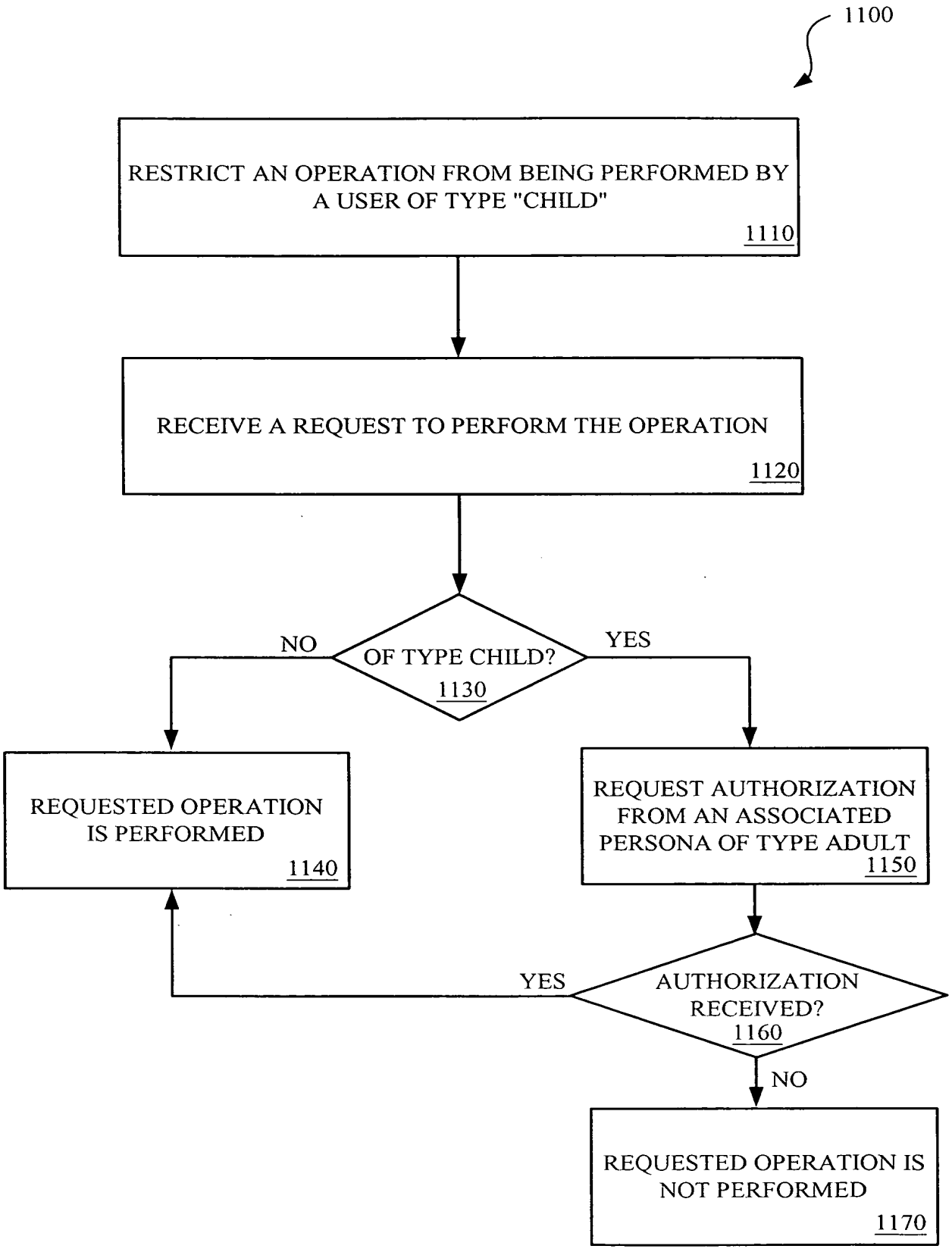
1100
RESTRICT AN OPERATION FROM BEING PERFORMED BY A USER OF TYPE "CHILD"
1110
RECEIVE A REQUEST TO PERFORM THE OPERATION
1120
OF TYPE CHILD?
1130
NO
YES
REQUESTED OPERATION IS PERFORMED
1140
REQUEST AUTHORIZATION FROM AN ASSOCIATED PERSONA OF TYPE ADULT
1150
AUTHORIZATION RECEIVED?
1160
YES
NO
REQUESTED OPERATION IS NOT PERFORMED
1170

FIG. 11